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| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER 3190-072 |
| INTERNATIONAL APPLICATION NO. PCT/JP2003/011046 | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) Unknown 10/526234 |
| INTERNATIONAL FILING DATE August 29, 2003 | | PRIORITY DATE CLAIMED August 30, 2002 |
| TITLE OF INVENTION: METHOD OF DEGRADATION, METHOD FOR INHIBITING DEGRADATION, AND AGENT FOR INHIBITING DEGRADATION, FOR TRANSCRIPTION FACTORS OF GLUCOSE METABOLISM-RELATED GENES | | |
| APPLICANT(S) FOR DO/EO/US: Hirofumi DOI and Gen KUDO | | |

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 34 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3))
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or address change letter.
17. ☒ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 – 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
 PCT/IB/332 PCT/IB/308
 PCT/IB/304 PCT/IPEA/409 (in Japanese)

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.5) Unknown | | | | INTERNATIONAL APPLICATION NO. PCT/JP2003/011046 | | ATTORNEY'S DOCKET NUMBER 3190-072 | |
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|---|--------------|---|------------|------------|-------------|-----------------------|----|
| 21. <input checked="" type="checkbox"/> The following fees are submitted: | | | | | | | |
| <input checked="" type="checkbox"/> a) Basic national fee \$300.00 | | | | | | \$ 300.00 | |
| <input checked="" type="checkbox"/> b) Examination fee \$200.00 | | | | | | \$ 200.00 | |
| <input checked="" type="checkbox"/> c) Search fee \$500.00 | | | | | | \$ 500.00 | |
| TOTAL OF ABOVE CALCULATIONS = \$ 1,000.00 | | | | | | \$ 1,000.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof. | | | | | | | |
| Total Sheets | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | | | | | |
| 87 - 100 = | /50 = | 0 | | x \$250.00 | | \$ 0.00 | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than Months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | | | \$ 0.00 | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | | | |
| Total claims | 52 - 20 = | 32 | x \$50.00 | | \$ 1,600.00 | | |
| Independent claims | 13 - 3 = | 10 | x \$200.00 | | \$ 2,000.00 | | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$360.00 | | \$ 0.00 | | |
| TOTAL OF ABOVE CALCULATIONS = | | | | | | \$ 4,600.00 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | | | \$ 0.00 | |
| SUBTOTAL = | | | | | | \$ 4,600.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | | | \$ 0.00 | |
| TOTAL NATIONAL FEE = | | | | | | \$ 4,600.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + | | | | | | \$ 40.00 | |
| TOTAL FEES ENCLOSED = | | | | | | \$ 4,640.00 | |
| | | | | | | Amount to be Refunded | \$ |
| | | | | | | Amount to be Charged | \$ |

a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0925.

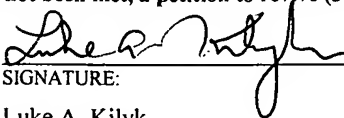
d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO

KILYK & BOWERSOX, P.L.L.C.
53 A East Lee Street
Warrenton, VA 20186

Phone (540) 428-1701 - Facsimile (540) 428-1720


 SIGNATURE:
 Luke A. Kilyk
 NAME
 33,251
 REGISTRATION NUMBER

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.5) Unknown 10,526,234 | | INTERNATIONAL APPLICATION NO. PCT/JP2003/011046 | | ATTORNEY'S DOCKET NUMBER 3190-072 | |
| 21. <input checked="" type="checkbox"/> The following fees are submitted: | | | | | |
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| | | | | Amount to be Refunded | \$ |
| | | | | Amount to be Charged | \$ |
| <p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0925</u>.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> | | | | | |
| <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO</p> <p>KILYK & BOWERSOX, P.L.L.C. 53 A East Lee Street Warrenton, VA 20186</p> <p>Phone (540) 428-1701 - Facsimile (540) 428-1720</p> | | | | | |
| | | | | <p><i>Luke A. Kilyk</i></p> <p>SIGNATURE:</p> <p>Luke A. Kilyk</p> <p>NAME</p> <p>33,251</p> <p>REGISTRATION NUMBER</p> | |

Form PTO-1390 (REV 12-2001)

Date: February 28, 2005 Label No. EV567259847US I hereby certify that, on the date indicated above, I deposited this paper with identified attachments and/or fee with the U.S. Postal Service and that it was addressed for delivery to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 by "Express Mail Post Office to Addressee" service.

Donald S. Prater
Name (Print)

Donald S. Prater
Signature